

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	8	("20020177800" "5125909" "5328472" "5531719" "5545132" "5807354" "5911715" "6375774").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 10:41
S3	1728	(606/194).CCLS.	USPAT; USOCR	OR	OFF	2006/03/08 10:41
S4	1429	S3 and @pd<="20020626"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 10:44
S5	654	S4 and (groove or annul\$3 or spiral)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 10:44
S6	75	("3416531"   "3485234"   "4385635"   "4563181"   "4636346"   "4690175"   "4735620"   "4838879"   "4863442"   "4899787"   "5176660"   "5221270"   "5222949"   "5234416"   "5254107"   "5279596"   "5308342"   "5423773"   "5445624"   "5545151"   "5569218"   "5658263"   "5676659").PN. OR ("5911715").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 10:57
S7	30	("3796211"   "4516972"   "4564361"   "4852564"   "5125909"   "5156597"   "5314418"   "5363882"   "5386826"   "5409469"   "5484424"   "5643226"   "5662616").PN. OR ("5807354").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 11:02
S8	68	("4950232"   "5250070"   "5295959"   "5295995"   "5306246"   "5308356"   "5348538"   "5403340").PN. OR ("5545132").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 11:20
S9	1	("20040059292").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:20
S10	2	(("6485457") or ("6533754")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:21
S11	1	("6398776").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:22
S12	68	KOBAYASHI-JUNICHI.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 11:43

## EAST Search History

S13	0	"toshinobu-ishida.in"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 11:43
S14	0	"toshinobu-ishida.in"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/03/08 11:47
S15	517	KOBAYASHI-JUNICHI.in.	EPO; JPO; DERWENT	OR	ON	2006/03/08 11:43
S16	0	toshinobu-ishida.in.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/03/08 11:48
S17	17	hisamatsu-takatomo.in.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/03/08 11:49
S18	11	soma-katsuaki.in.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/03/08 12:58
S19	424	catheter same (groove or annular or spiral) same groove same balloon	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/03/08 12:59
S20	68	("4950232"   "5250070"   "5295959"   "5295995"   "5306246"   "5308356"   "5348538"   "5403340").PN. OR ("5545132").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:30
S21	1248	catheter same (different or varied or vary\$3) same rigid\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:31
S22	38	catheter same (different or varied or vary\$3) same rigid\$4 same groove	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:33
S23	21	catheter same (different or varied or vary\$3) same rigid\$4 same spiral	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:33
S24	21	("4024873"   "4646742"   "4665925"   "4702252"   "4892519"   "4955895"   "5085636"   "5176637"   "5378238"   "5403339"   "5423754"   "5425712"   "5492532"   "5626600"   "5755707"   "5759191"   "5827242"   "5830227"   "6027475"   "6066157"   "6152912").PN. OR ("6960188").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:39

## EAST Search History

S25	586	balloon same catheter same spiral	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:39
S26	366	catheter same enhanc\$4 same (flexibility or flex\$4) same balloon	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 13:41
S27	32	("3808394"   "4028525"   "4095084"   "4100393"   "4248369"   "4432853"   "4576772"   "4948941"   "4961731"   "5021044"   "5026965"   "5181659"   "5215614"   "5344412"   "5348616"   "5425903"   "5465733"   "5496292"   "5549580"   "5558737"   "5569218"   "5639274"   "5746701"   "5811043"   "5860963"   "5891110"   "5911715"   "6063318"   "6103037"   "6159195"   "6217565").PN. OR ("6375774"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:26
S28	1	("5,358,493").PN.	USPAT; USOCR	OR	OFF	2006/03/08 14:26
S29	130	("2437542"   "3416531"   "3605750"   "3618614"   "3935857"   "3965909"   "4117836"   "4239042"   "4279252"   "4280500"   "4385635"   "4417886"   "4425919"   "4430083"   "4437857"   "4464176"   "4531943"   "4551292"   "4563181"   "4573476"   "4581390"   "4596563"   "4627844"   "4636346"   "4639252"   "4661094"   "4690175"   "4739768"   "4775371"   "4817613"   "4842590"   "4863442"   "4886506"   "4898591"   "4899787"   "4920980"   "4955862"   "4960410"   "5017259"   "5034005"   "5045072"   "5047045"   "5061257"   "5069673"   "5078702"   "5085649"   "5116652"   "5156592"   "5160559"   "5176661"   "5184627").PN. OR ("5358493"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:27

## EAST Search History

S30	83	( "2936761"   "3802418"   "3884242"   "3902492"   "3913565"   "3983879"   "4055187"   "4251305"   "4402684"   "4596548"   "4639252"   "4661095"   "4702252"   "4899787"   "4913683"   "5041084"   "5069674"   "5176661"   "5195969"   "5217466"   "5254091"   "5269752"   "5279562"   "5279596"   "5304131"   "5306245"   "5314418"   "5330451"   "5334146"   "5334169"   "5344399"   "5353486"   "5356388"   "5358493"   "5364357"   "5401244"   "5405338"   "5425708"   "5437288"   "5441484"   "5441499"   "5443448"   "5448989"   "5449343"   "5460608"   "5462523"   "5470313"   "5477856"   "5484409"   "5569219"   "5593394"   "5599325"   "5605162"   "5607394"   "5624380"   "5634895"   "5645560"   "5653696"   "5658251"   "5658264"   "5662607"   "5695483"   "5700253"   "5755687"   "5769828"   "5795332"   "5795341"   "5836926"   "5843116"   "5865721"   "5873866"   "5911734"   "5941858"   "5947940"   "5951539"   "6135982").PN. OR ("6319244"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 15:08
S31	45	( "2610627"   "2747574"   "3618613"   "3738394"   "4261671"   "4634432"   "4653542"   "4832681"   "4877354"   "4900314"   "4950232"   "4964440"   "4982765").PN. OR ("5125909"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:15

## EAST Search History

S32	45	(US-20020177800-\$ or US-20040059292-\$ or US-20050177130-\$ or US-20040049153-\$).did. or (US-6375774-\$ or US-5911715-\$ or US-5807354-\$ or US-5545132-\$ or US-5531719-\$ or US-5328472-\$ or US-5125909-\$ or US-6409863-\$ or US-6375654-\$ or US-6361529-\$ or US-6346091-\$ or US-6251084-\$ or US-6238409-\$ or US-6193686-\$ or US-6179856-\$ or US-7001369-\$ or US-D486909-\$ or US-6398266-\$ or US-6048339-\$ or US-5222949-\$ or US-4899787-\$ or US-5409469-\$ or US-7004963-\$ or US-5843050-\$ or US-6533754-\$ or US-6485457-\$). did. or (US-6960188-\$ or US-6066157-\$ or US-5626600-\$ or US-5507751-\$ or US-6613066-\$ or US-5843031-\$ or US-5358493-\$ or US-6319244-\$ or US-5279562-\$ or US-6895890-\$).did. or (JP-2005211308-\$ or JP-2004024625-\$ or JP-2001353225-\$ or JP-2001149482-\$ or JP-2001095923-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2006/03/08 16:32
S33	29	S32 and rigid\$4	US-PGPUB; USPAT; JPO	OR	ON	2006/03/08 16:32
S34	37	("2833706"   "4105732"   "5248305"   "5363318"   "5423745"   "5443907"   "5534007"   "5545132"   "5620457"   "5645560"   "5653691"   "5702364"   "5702418"   "5792300"   "5797877"   "5879369"   "5897239"   "5913871"   "5944726"   "5954740"   "5957930"   "5968069"   "5980532"   "5980533"   "6007543"   "6013728"   "6022359"   "6024722"   "6036697"   "6068634"   "6096056"   "6110192"   "6129706"   "6146356"   "6193738"   "6306162").PN. OR ("7004963"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:33

## EAST Search History

S35	82	( "4704126"   "4858264"   "4936057"   "4976692"   "5002532"   "5074845"   "5104404"   "5108417"   "5133732"   "5139480"   "5195984"   "5199226"   "5242399"   "5314444"   "5352199"   "5383892"   "5421955"   "5423849"   "5425739"   "5441515"   "5443477"   "5443496"   "5449373"   "5485667"   "5494029"   "5496277"   "5507767"   "5507771"   "5514154"   "5522882"   "5531741"   "5545210"   "5549662"   "5549663"   "5554181"   "5562641"   "5562728"   "5569295"   "5578149"   "5591195"   "5591197"   "5591223"   "5591226"   "5591230"   "5603721"   "5605530"   "5607442"   "5607445"   "5609605"   "5618299"   "5624411"   "5630840"   "5632760"   "5632763"   "5632771"   "5634941"   "5636641"   "5637113"   "5690643"   "5697971"   "5718713"   "5728068"   "5741327"   "5746691"   "5800393"   "5843175"   "5846246"   "5868708"   "5947991"   "D380266"   "D380831").PN. OR ("6022359"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:34
S36	3	( "5605543"   "6102890"   "6117106").PN. OR ("6533754"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 09:43
S37	14	( "4762129"   "5040548"   "5061273"   "5135535"   "5217482"   "5334169"   "5410797"   "5425711"   "5538513"   "5549556"   "5891110"   "5906606"   "6036670"   "6186978").PN. OR ("6485457"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 09:47

## EAST Search History

S38	130	("2687131"   "2936760"   "3225762"   "4289128"   "4468224"   "4597755"   "4662368"   "4705507"   "4748982"   "4762129"   "4771777"   "4798598"   "4820349"   "4824435"   "4838268"   "4846174"   "4877031"   "4881547"   "4896670"   "4906241"   "4917088"   "4921478"   "4928693"   "4940062"   "4943278"   "4944745"   "4946466"   "4953553"   "4976690"   "4976720"   "4988356"   "4994032"   "4998917"   "4998923"   "5032113"   "5034001"   "5035686"   "5035705"   "5040548"   "5042985"   "5047045"   "5057120"   "5061273"   "5102403").PN. OR ("5217482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 09:53
S39	17	("3428046"   "4368730"   "4955862"   "5069674"   "5180376"   "5188152"   "5217482").PN. OR ("5423774").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:01

## EAST Search History

S40	83	("2936761"   "3802418"   "3884242"   "3902492"   "3913565"   "3983879"   "4055187"   "4251305"   "4402684"   "4596548"   "4639252"   "4661095"   "4702252"   "4899787"   "4913683"   "5041084"   "5069674"   "5176661"   "5195969"   "5217466"   "5254091"   "5269752"   "5279562"   "5279596"   "5304131"   "5306245"   "5314418"   "5330451"   "5334146"   "5334169"   "5344399"   "5353486"   "5356388"   "5358493"   "5364357"   "5401244"   "5405338"   "5425708"   "5437288"   "5441484"   "5441499"   "5443448"   "5448989"   "5449343"   "5460608"   "5462523"   "5470313"   "5477856"   "5484409"   "5569219"   "5593394"   "5599325"   "5605162"   "5607394"   "5624380"   "5634895"   "5645560"   "5653696"   "5658251"   "5658264"   "5662607"   "5695483"   "5700253"   "5755687"   "5769828"   "5795332"   "5795341"   "5836926"   "5843116"   "5865721"   "5873866"   "5911734"   "5941858"   "5947940"   "5951539"   "6135982").PN. OR ("6319244"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:10
S41	365	604/525	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 14:04
S42	5658	604/264	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 14:08
S43	400	604/524	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 14:08